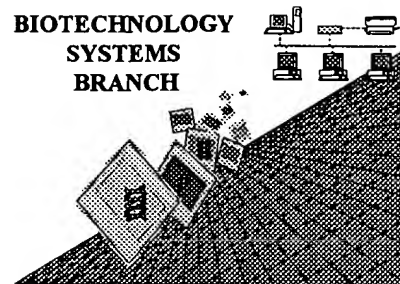


Railey

# **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 08/846,606B  
Art Unit / Team No. : 1636  
Date Processed by STIC: 8/31/98

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

# RAW SEQUENCE LISTING

## PATENT APPLICATION US/08/846,606B

DATE: 09/01/98  
TIME: 15:46:12

INPUT SET: S28371.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply  
Corrected Diskette Needed

### SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4 (i) APPLICANT: Schering Corporation  
5 (ii) TITLE OF INVENTION: Thioredoxin/Heterologous Protein Bacterial Expression  
6 (iii) NUMBER OF SEQUENCES: 14  
7 (iv) CORRESPONDENCE ADDRESS:  
8 (A) ADDRESSEE: Schering-Plough Corporation  
9 (B) STREET: 2000 Galloping Hill Road  
10 (C) CITY: Kenilworth  
11 (D) STATE: New Jersey  
12 (E) COUNTRY: U.S.A.  
13 (F) ZIP : 07033-0530  
14 (v) COMPUTER READABLE FORM:  
15 (A) MEDIUM TYPE: diskette  
16 (B) COMPUTER: Apple Macintosh  
17 (C) OPERATING SYSTEM: Macintosh 7.5.3  
18 (D) SOFTWARE: Microsoft Word 5.1a  
19 (vi) CURRENT APPLICATION DATA:  
20 (A) APPLICATION NUMBER:  
21 (B) FILING DATE:  
22 (vii) PRIOR APPLICATION DATA  
23 (A) APPLICATION NUMBER: US 60/011,606  
24 (B) FILING DATE: 30-APR-1996  
25 (viii) ATTORNEY/AGENT INFORMATION:  
26 (A) NAME: Thampoe, Immac J..  
27 (B) REGISTRATION NUMBER: 36,322  
28 (C) REFERENCE DOCKET NUMBER: JB0600Q  
29

### ERRORED SEQUENCES FOLLOW:

--> 41 (2) INFORMATION FOR SEQ ID NO:2:  
42 (i) SEQUENCE CHARACTERISTICS:  
43 (A) LENGTH: 47 bases  
44 (B) TYPE: nucleic acid  
45 (C) STRANDEDNESS: single  
46 (D) TOPOLOGY: linear  
47 (ii) MOLECULE TYPE: DNA  
48 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
49  
50 GCAACCAACA TGCAAGGATC CTTACGCCAG ATTAGCATCG AGGAACT

Per 1,822 of sequence  
Rules insert the  
cumulative base total at  
right  
→ 47 bases  
of each  
line

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606BDATE: 09/01/98  
TIME: 15:46:13

INPUT SET: S28371.raw

51

52 (2) INFORMATION FOR SEQ ID NO:3:  
53 (i) SEQUENCE CHARACTERISTICS:  
--> 54 (A) LENGTH: 336 base pairs  
55 (B) TYPE: nucleic acid  
56 (C) STRANDEDNESS: single  
57 (D) TOPOLOGY: linear  
58 (ii) MOLECULE TYPE: DNA  
59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

60  
61 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTTG ACACGGATGT 50  
62 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGCG 100  
63 GTCCGTGCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150  
64 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200  
65 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250  
66 ACGGTGAAGT GCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300  
67 AAAGAGTTCC TCGATGCTAA TCTGGCGTAA GGATCC  
68

69 (2) INFORMATION FOR SEQ ID NO:4:  
70 (i) SEQUENCE CHARACTERISTICS:  
--> 71 (A) LENGTH: 336 bases pairs  
72 (B) TYPE: nucleic acid  
73 (C) STRANDEDNESS: single  
74 (D) TOPOLOGY: linear  
75 (ii) MOLECULE TYPE: cDNA  
76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

77  
78 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTTG ACACGGATGT 50  
79 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGCG 100  
80 GTCCGTGCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150  
81 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200  
82 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250  
83 ACGGTGAAGT GCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300  
84 AAAGAGTTCC TCGAGGCTAA TCTGGCGTAA GGATCC  
85

86 (2) INFORMATION FOR SEQ ID NO:5:  
87 (i) SEQUENCE CHARACTERISTICS:  
--> 88 (A) LENGTH: 81 bases pairs  
89 (B) TYPE: nucleic acid  
90 (C) STRANDEDNESS: single  
91 (D) TOPOLOGY: linear  
92 (ii) MOLECULE TYPE: cDNA  
93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

94  
95 GAT AAT ATT CTG GCT GGT TCT GGT TCT GGT GAT GAC GAT GAC AAG45  
96 Asp Asn Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp Lys  
97 1 5 10 15  
98  
99  
100 GGT CCT GTT CCG CCG TCT ACC GCT CTG CGT GAG CTC

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606BDATE: 09/01/98  
TIME: 15:46:14

INPUT SET: S28371.raw

101 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu  
102 20 25  
103  
104

121 (2) INFORMATION FOR SEQ ID NO:7:  
122 (i) SEQUENCE CHARACTERISTICS:  
--> 123 (A) LENGTH: 52 bases  
124 (B) TYPE: nucleic acid  
125 (C) STRANDEDNESS: single  
126 (D) TOPOLOGY: linear  
127 (ii) MOLECULE TYPE: DNA  
128 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
129  
130 GAAGGAGGCT GATTAAATGG GTCCGGTTCC GCCGTCTACC GCTCTGGAGC 50  
131 TC ←  
132

133 (2) INFORMATION FOR SEQ ID NO:8:  
134 (i) SEQUENCE CHARACTERISTICS:  
--> 135 (A) LENGTH: 18 bases  
136 (B) TYPE: nucleic acid  
137 (C) STRANDEDNESS: single  
138 (D) TOPOLOGY: linear  
139 (ii) MOLECULE TYPE: DNA  
140 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
141  
142 AAGGAGGCTG ATTAATG ↙  
143

144 (2) INFORMATION FOR SEQ ID NO:9:  
145 (i) SEQUENCE CHARACTERISTICS:  
--> 146 (A) LENGTH: 17 bases  
147 (B) TYPE: nucleic acid  
148 (C) STRANDEDNESS: single  
149 (D) TOPOLOGY: linear  
150 (ii) MOLECULE TYPE: DNA  
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
152  
153 AAGGAGGCTG ATTAATG ↙  
154

155 (2) INFORMATION FOR SEQ ID NO:10:  
156 (i) SEQUENCE CHARACTERISTICS:  
--> 157 (A) LENGTH: 14 bases  
158 (B) TYPE: nucleic acid  
159 (C) STRANDEDNESS: single  
160 (D) TOPOLOGY: linear  
161 (ii) MOLECULE TYPE: DNA  
162 (xi) SEQUENCE DESCRIPTION:10:  
163  
164 AAGGAGGTTT AATG  
165

*add: "SEQ ID NO" (this error appears in subsequent sequences)*

*← insert total*

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606BDATE: 09/01/98  
TIME: 15:46:15

INPUT SET: S28371.raw

---

166 (2) INFORMATION FOR SEQ ID NO:11:  
167 (i) SEQUENCE CHARACTERISTICS:  
168 (A) LENGTH: 6 amino acids  
169 (B) TYPE: amino acid  
170 (D) TOPOLOGY: linear  
171 (ii) MOLECULE TYPE: peptide  
--> 172 (xi) SEQUENCE DESCRIPTION: 11 *see seq 10*  
173  
174 Leu Asp Ala Asn Leu Ala  
175 1 5

---

176 (2) INFORMATION FOR SEQ ID NO:12:  
177 (i) SEQUENCE CHARACTERISTICS:  
--> 178 (A) LENGTH: 21 bases  
179 (B) TYPE: nucleic acid  
180 (C) STRANDEDNESS: single  
181 (D) TOPOLOGY: linear  
182 (ii) MOLECULE TYPE: DNA *n*  
183 (xi) SEQUENCE DESCRIPTION: 12:  
184  
185 CTC GAT GCT AAT CTG GCG TAA  
186 Leu Asp Ala Asn Leu Ala  
187 1 5  
188  
189

---

*total*

190 (2) INFORMATION FOR SEQ ID NO:13:  
191 (i) SEQUENCE CHARACTERISTICS:  
--> 192 (A) LENGTH: 21 bases  
193 (B) TYPE: nucleic acid  
194 (C) STRANDEDNESS: single  
195 (D) TOPOLOGY: linear  
196 (ii) MOLECULE TYPE: DNA  
197 (xi) SEQUENCE DESCRIPTION: 13:  
198  
199 CTC GAG GCT AAT CTG GCG TAA  
200 Leu Glu Ala Asn Leu Ala  
201 1 5  
202

---

*total*

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/846,606B**DATE: 09/01/98  
TIME: 15:46:17**INPUT SET: S28371.raw**

Line	Error	Original Text
43	Entered (47) and Calc. Seq. Length (0) differ	(A) LENGTH: 47 bases
54	Entered (336) and Calc. Seq. Length (300) differ	(A) LENGTH: 336 base pairs
71	Entered (336) and Calc. Seq. Length (300) differ	(A) LENGTH: 336 bases pairs
88	Entered (81) and Calc. Seq. Length (45) differ	(A) LENGTH: 81 bases pairs
123	Entered (52) and Calc. Seq. Length (50) differ	(A) LENGTH: 52 bases
135	Entered (18) and Calc. Seq. Length (0) differ	(A) LENGTH: 18 bases
146	Entered (17) and Calc. Seq. Length (0) differ	(A) LENGTH: 17 bases
157	Entered (14) and Calc. Seq. Length (0) differ	(A) LENGTH: 14 bases
172	Mandatory Value Not Present	(xi) SEQUENCE DESCRIPTION SEQ ID NO:11:
178	Entered (21) and Calc. Seq. Length (0) differ	(A) LENGTH: 21 bases
192	Entered (21) and Calc. Seq. Length (0) differ	(A) LENGTH: 21 bases